PRE-DEVELOPMENT DRAINAGE AREA TABLE

DA	AREA(AC)	RCN	Tc(HRS)	NOTE
A	0.98	74	0.31	OUTFALL #1
B	2.09	72	0.30	OUTFALL #2
C	3.05	82	0.31	OUTFALL #3
D	1.82	72	0.57	OUTFALL #4
E	3.84	85	0.43	OUTFALL #5

PRE-DEVELOPMENT TIME OF CONCENTRATION BREAKDOWN

FLOW ID	DRAINAGE AREA #A
A	SHEET FLOW, 100' GRASS @ 1.3%; 0.278 HOURS
B	SHALLOW CONCENTRATED FLOW, 197' UNPAVED @ 2.0%; 0.019 HOURS
C	SHALLOW CONCENTRATED FLOW, 118' UNPAVED @ 1.3%; 0.014 HOURS
TOTAL FLOW	**0.31 HRS.**

FLOW ID	DRAINAGE AREA #B
A	SHEET FLOW, 100' GRASS @ 1.3%; 0.278 HOURS
B	SHALLOW CONCENTRATED FLOW, 250' UNPAVED @ 7.2%; 0.016 HOURS
C	CHANNEL FLOW, 160' @ 5 FPS; 0.009 HOURS
TOTAL FLOW	**0.30 HRS.**

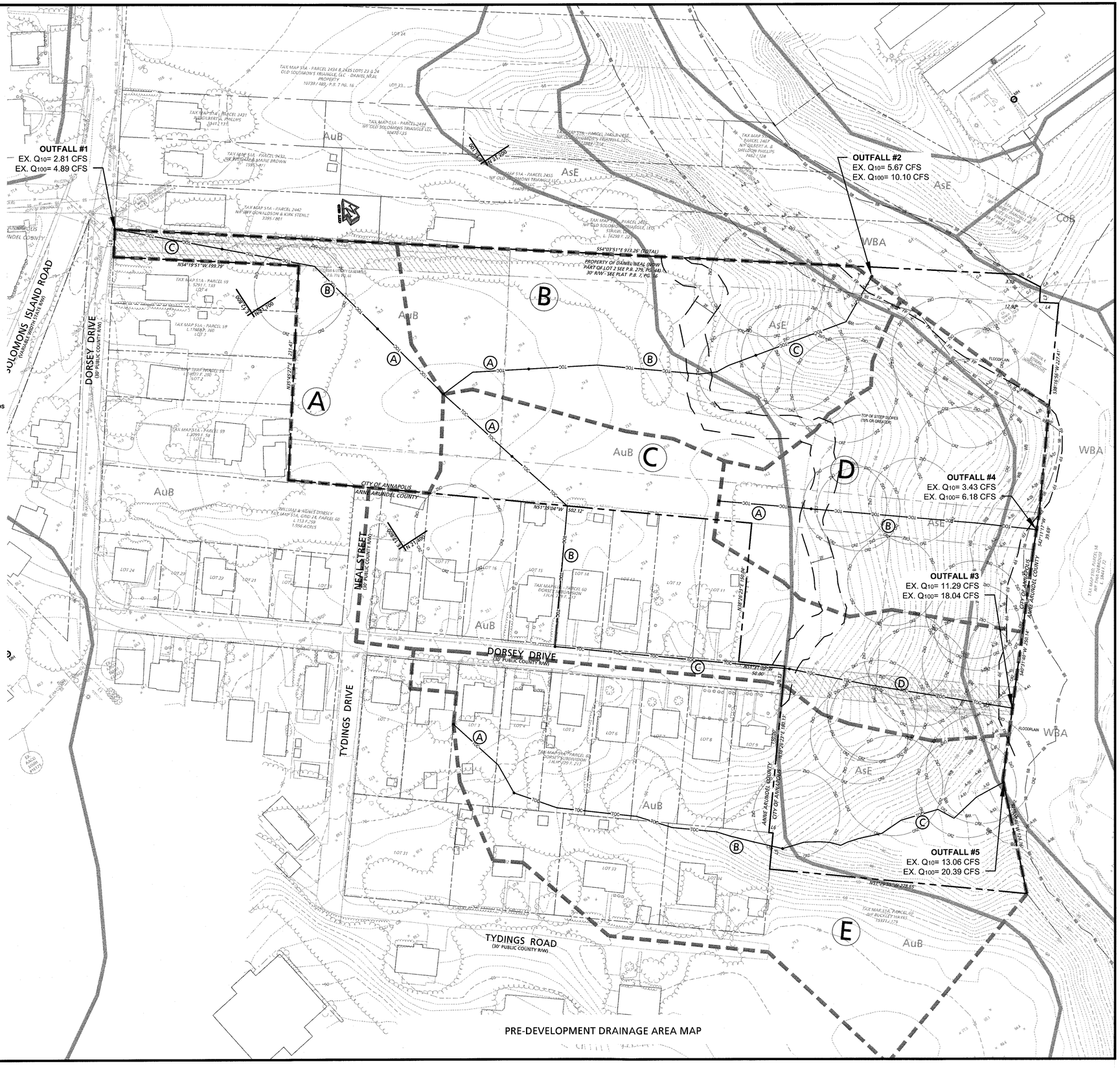
FLOW ID	DRAINAGE AREA #C
A	SHEET FLOW, 100' GRASS @ 2.0%; 0.234 HOURS
B	SHALLOW CONCENTRATED FLOW, 232' UNPAVED @ 2.5%; 0.025 HOURS
C	SHALLOW CONCENTRATED FLOW, 254' UNPAVED @ 1.0%; 0.035 HOURS
D	CHANNEL FLOW, 244' @ 5 FPS; 0.014 HOURS
TOTAL FLOW	**0.31 HRS.**

FLOW ID	DRAINAGE AREA #D
A	SHEET FLOW, 100' WOODS @ 2.5%; 0.561 HOURS
B	SHALLOW CONCENTRATED FLOW, 244' UNPAVED @ 17.0%; 0.010 HOURS
TOTAL FLOW	**0.57 HRS.**

FLOW ID	DRAINAGE AREA #B
A	SHEET FLOW, 100' WOODS @ 6.0%; 0.395 HOURS
B	SHALLOW CONCENTRATED FLOW, 297' UNPAVED @ 10.0%; 0.016 HOURS
C	CHANNEL FLOW, 263' @ 5 FPS; 0.015 HOURS
TOTAL FLOW	**0.43 HRS.**

PRE-DEV. RCN BREAKDOWN

DA	IMPERVIOUS AREA(AC)	AREA OF GRASS 'C' SOILS (AC)	AREA RESIDENTIAL 'C' SOILS (AC)	AREA OF WOODS 'C' SOILS (AC)	AREA OF WOODS 'D' SOILS (AC)
A	0.05	0.56	--	0.37	--
B	--	1.10	--	0.94	0.05
C	--	0.66	1.59	0.67	0.13
D	--	0.05	0.03	1.41	0.33
E	--	0.01	2.86	0.95	0.02



LEGEND

TIME OF CONCENTRATION — TOC — TOC — TOC —

DRAINAGE AREA BOUNDARY

PRE-DEVELOPMENT DRAINAGE AREA MAP

Revisions

Rev. #	By	Date	Description

I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 19593, Expiration Date 3/31/16

Terry Schuman — Date 3/31/16

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Job Number 10-3572
Scale 1" = 50'
Drawn By L.S.
Approved By T. SCHUMAN
Folder Reference HAYES PROPERTY, OLD SOLOMONS ISLAND ROAD, ANNAPOLIS

EXISTING CONDITIONS DRAINAGE AREA MAP

SITE DEVELOPMENT PLANS
FOR

ANNAPOLIS TOWNES AT NEAL FARM

TAX MAP 51A, BLOCK 24, PARCELS 6, 8, AND 45
TAX MAP 51D, BLOCK 10, PARCEL 60, LOT 10
TAX MAP 51D, BLOCK 6, PARCELS 70, 391, AND 392
DORSEY DRIVE AND TYDINGS DRIVE
ANNAPOLIS, MARYLAND 21401
SECOND DISTRICT ANNE ARUNDEL COUNTY ZONED R4 / R1B / B2 CITY

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